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Dear Colleague,

Please find attached the **Summary of Communicable Diseases for the Month of June 2006**. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of June 2006.

Communicable Diseases

In total, there were **358** new infections occurring across 25 communicable diseases** (excluding sexually transmitted infections and HIV) in June 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Malaria (8 cases observed; expected range 0-3 cases) and Necrotising Fasciitis (6 cases observed; expected range 0-1 cases). The expected number of cases and accompanying range is based on the number of cases during May, June, and July 2001-2005.

The June report reflects a half-way point in the year, and serves as a good comparison for 2005. Compared to this time last year, cases of reportable communicable diseases have increased by about one-quarter. Almost all of this increase can be attributed to Clostridium Difficile, which became reportable in April 2005, and increases in Methicillin Resistant Staphylococcus Aureus (MRSA). Although less substantial in terms of case numbers, some diseases have observed a decrease compared to this time last year, most notably Hepatitis A, Hepatitis B, Pertussis, and Pneumococcal Septicemia.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **449** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in June: 298 cases of chlamydia (Ct), 95 cases of gonorrhoea (GC), 49 GC-Ct co-infections, and 7 cases of syphilis. Almost two-thirds (64%) of all GC and Ct cases in the province were reported among young adults between the ages of 15 and 24 years. Half of all GC and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 22% were from the Burntwood health region. Compared to the first six months of 2005, gonorrhoea cases have risen by 74%, while the number of chlamydia cases has remained roughly the same.

In June 32 individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. More than half of the cases were among males in the 40-59 year age groups. Four Manitobans tested positive for HIV in June 2006. Compared to this time last year, numbers of newly reported HCV and HIV have decreased.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,

Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR June 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	5	6	3	0-7	20	24
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0	1	
320.1	BAC. MENINGITIS - PNEUM			0	0-1	2	
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS		1	1	0-3	1	4
008.43	CAMPYLOBACTER	25	31	23	8-38	123	90
558.2	CLOSTRIDIUM DIFFICILE	101	87		***	272	618
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	3	2	3	0-8	9	11
061.0	DENGUE FEVER			0	0-0		2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1	1	3
008.0	E. COLI-VEROTOXIGENIC	8	13	8	0-17	20	33
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-2		
007.1	GIARDIA LAMBLIA	14	12	13	6-20	45	49
041.5	H.I.B.-NON MTGS			0	0-1	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	2	1	3	0-11	13	7
070.3	HEPATITIS B		1	1	0-2	2	4
070.51	HEPATITIS C	38	32	47	0-102	231	143
054.8	HERPES-W-UNSPEC COMPL			0	0-1		4
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	2	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		1
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	3	1
088.81	LYME DISEASE	4		0	0-2	4	
084	MALARIA	2	8	1	0-3	4	12
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-2	2	1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1	2	
B95.6	MRSA	113	126	54	0-129	497	675
072.9	MUMPS	1		0	0-1	2	
036.89	N.MENINGITIDIS OTHER			0	0-1	2	2
728.86	NECROTIZING FASCIITIS	1	6	0	0-1	5	9
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS	1			***	1	
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1		4	0-8	19	5
038.2	PNEUM. SEPTICEMIA	12	5	6	0-13	51	39

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER	3	3	1	0-3	13	4
003.0	SALMONELLA	20	9	15	7-23	76	76
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		1	1	0-3	6	5
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		1
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	2	
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	2	
127.2	STRONGYLOIDES		1	0	0-1	2	2
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS		1	2	0-7		1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1	2	2	0-5	12	17
011	TUBERCULOSIS - RESP.	7	3	7	1-13	48	43
010	TUBERCULOSIS-PRIM.	1		1	0-6	4	12
021.9	TULAREMIA			0	0-1	1	
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	3	3		***	25	25
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK		1	0	0-2		1
047.1	VIRAL MENINGITIS-ECHO	2		3	0-10	2	5
047.8	VIRAL MENINGITIS-ENTERO	2	1		***	2	2
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	2	2	1	0-3	5	8
		373	**358**			**1535**	**1939**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR June 2006

		<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS								1						1	1				1			1	1					6
005.2	C. PERFRINGENS																									1			1
008.43	CAMPYLOBACTER	2		1	1	2	1	1		1					1	2	2	3	2	2	3	1	1	1	1	3			31
558.2	CLOSTRIDIUM DIFFICILE				1							1			1	2	2	4	2	4	5	2	7	16	6	16	17	1	87
007.8	CRYPTOSPORIDIOSIS						1					1																	2
008.0	E. COLI 0157	1	1		1						1	1				1	1	2		1		1	1		1				13
007.1	GIARDIA LAMBLIA	1	1				1	1		1					1			1		2					1	1	1		12
070.1	HEPATITIS A																1												1
070.3	HEPATITIS B												1																1
070.51	HEPATITIS C											1	1		1	3	2	4	12	1	5	1		1					32
084	MALARIA		2	1			2						1					1			1								8
B95.6	MRSA	4	5	2	2	2	4	7	1	5	3	2	5	1	3	6	7	8	2	5	7	6	4	3	10	12	9	1	126
728.86	NECROTIZING FASCIITIS																2			1	3								6
003.0	SALMONELLA	1		1				1							2		1	1			1				1				9
004	SHIGELLOSIS											1																	1
041.2	STREP.PNEUM.OTHER																				1				1		1		3
038.2	STREP.PNEUMOCOCCAL SEPTIC						1										1			1	1	1							5
038.0	STREPTOCOCCAL SEPTICEMIA																	1											1
127.2	STRONGYLOIDIASIS																			1									1
130.9	TOXOPLASMOSIS													1															1
013	TUBERCULOSIS - NON-RESP.																2												2
011	TUBERCULOSIS - RESP.															1				1	1								3
B96.8	VANCOMYCIN RES. ENTER.																					1				1	1		3
047.0	VIRAL MENINGITIS-COXSACK	1																											1
047.8	VIRAL MENINGITIS-ENTERO											1																	1
008.44	YERSINIA ENTEROCOLITICA				1								1																2

ICD9	Disease Name	<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
		10	9	5	6	4	10	10	2	7	4	8	9	2	10	16	21	25	18	20	28	13	14	22	21	34	29		359

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR June 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	5							1														6
005.2	C. PERFRINGENS				1																		1
008.43	CAMPYLOBACTER	16			4		3		1				4				2				1		31
558.2	CLOSTRIDIUM DIFFICILE	51	4	2	3		3		7	1	6		6		3		1						87
007.8	CRYPTOSPORIDIOSIS										1		1										2
008.0	E. COLI 0157	6			1		1		1		2		1						1				13
007.1	GIARDIA LAMBLIA	9			1				1				1										12
070.1	HEPATITIS A	1																					1
070.3	HEPATITIS B												1										1
070.51	HEPATITIS C	19	1				1	2	3		1						2				3		32
084	MALARIA	8																					8
B95.6	MRSA	49	1		1		2		1	1	2	1	3		3	3	16	28	14			1	126
728.86	NECROTIZING FASCIITIS	1									1								4				6
003.0	SALMONELLA	5							2		1		1										9
004	SHIGELLOSIS						1																1
041.2	STREP.PNEUM.OTHER	2									1												3
038.2	STREP.PNEUMOCOCCAL SE PTIC	2			1				2														5
038.0	STREPTOCOCCAL SEPTICEM IA	1																					1
127.2	STRONGYLOIDIASIS	1																					1
130.9	TOXOPLASMOSIS																	1					1
013	TUBERCULOSIS - NON-RESP.	1																1					2
011	TUBERCULOSIS - RESP.	1									1							1					3
B96.8	VANCOMYCIN RES. ENTER.	2							1														3
047.0	VIRAL MENINGITIS-COXSACK																				1		1
047.8	VIRAL MENINGITIS-ENTERO	1																					1
008.44	YERSINIA ENTEROCOLITICA										2												2
		181	**6**	**2**	**12**		**11**	**2**	**20**	**2**	**18**	**1**	**18**		**6**	**3**	**21**	**31**	**19**		**5**	**1**	**359**
Missing Investigation Forms (Jan.1 to end of May)		97	7	1	1		2		2	1	4		11				1	2	3		1		133

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - June 2006

DISEASE/INFECTION	MONTHLY TOTAL 2005	MONTHLY TOTAL 2006	YEAR-TO-DATE 2005	YEAR-TO-DATE 2006
All Chlamydia Infections	361	347	2040	2072
All Gonorrhea Infections (including PRNG)	87	144	475	827
All Syphilis Infections	7	7	43	31
Gonorrhea & Chlamydia Co-infections	43	49	228	263
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	14	4	58	41

Total Number of STD Cases by Age and Gender - June 2006

	<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases							5	1	69	25	68	42	33	17	10	20	2	4		1		1						298
Gonorrhea Only Cases									16	8	6	12	6	14	5	15	2	9	1	1								95
Syphilis Only Cases										1				1		1		2		2								7
GC and CT Cases							2		16	5	9	8	4		3	1		1										49
							7	1	101	39	83	62	43	32	18	37	4	16	1	4		1						449
HIV															1	1		1		1								4

Regional STD Distribution - June 2006

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	162	8	4	2		8	5	8		19		8		10	2	23	67	19		2		347
All Gonorrhea Infections	82		2	4			2	2		7		2	2	3		5	28	5				144
All Syphilis Infections	6									1												7
GC and CT Infections	18		1									2		3		5	17	3				49

Missing Investigation Forms (Jan.1 to end of May)	69	5	4	2		3	5	7		4		3		2	13	12	33	3		2		167

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction